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b.) a reagent pad fixed to the support member and covering the aperture, the reagent material selected for reacting with at least one analyte,  
 5 wherein at least a portion of the bottom surface surrounding the aperture has a reflectivity of less than about 12 percent at between about 600 and 730 nm.

6. The device of claim 5, wherein substantially the entire bottom surface has a reflectivity of less than about 12 percent at between about 600 and 730 nm.

10 7. The device of claim 5, wherein the aperture is suitable for receiving a fluid volume of less than or equal to about 5  $\mu$ l.

8. The test device of claim 5, 6, or 7, wherein the opposing edges comprise at  
 15 least three portions wherein two of the three portions of the opposing edges are in angular relation to the longitudinal axis.

9. The test device of claim 5, 6, or 7, wherein the portion of the opposing edges in substantially parallel relation is located in between the two portions of the  
 20 opposing edges in angular relation to the longitudinal axis.

10. A system for measuring the concentration of at least one analyte in a fluid, comprising

a.) at least one test strip comprising a support comprising a top surface, a  
 25 bottom surface and an aperture therethrough; and

b.) a colorimeter  
 wherein at least a portion of the bottom surface surrounding the aperture has a reflectivity of less than about 12 percent at between about 600 and 730 nm.

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12. The system of claim 12, wherein the support member further comprises an alignment notch comprising opposing parallel edges.